

Alhambra-Grantfork
Telephone Company

Miscellaneous Construction Work and Maintenance Services Contract

Contract Form 773NRUS
June 1998

Telephone Company: Alhambra-Grantfork Telephone Company

Telephone Company Designation: IL526

Contractor: Utility Contracting Company

Contract No.: 2003-01-G

Contract Date: January 24, 2001

Contract Amount: \$ 70,000.00

**MISCELLANEOUS CONSTRUCTION WORK
AND MAINTENANCE SERVICES CONTRACT****SECTION I**W.O. Number 2003-01-G (Enter this number on all attachments, invoices and related correspondence.)This Contract is entered into this 24th day of January, 2001 between __________
Utility Contracting Company(Hereinafter called "Contractor"). (Contractors' License No.) N/AIssuance State N/A Expiration Date N/Aof, 5000 Business 50 W
(Mailing Address)Jefferson City ; Missouri 65109
(City) (State) (Zip)and, Alhambra-Grantfork Telephone Company
(Hereinafter called "Owner").**PROJECT**

1. Description of work:

Provide construction for a new copper cable to service Grantforks south exchange area.
In addition, an entrance is to be provided into the central office to facilitate the new cable
and this project will include a manhole with conduit placement.

(Hereinafter called the "Project"). _____

Indicate if drawings, specifications, or other further description is attached and made part of this agreement:
(Check One) NO _____ YES X (See Attachment A.)2. Project is for: (Check One) Construction X Maintenance _____

3. Evidence of insurance is required (See Section III).

4. The Owner will furnish material? (Check One) NO _____ YES X (See Attachment C and D)5. All work on this Contract will be performed in the Owner's exchange(s) of Grantfork
located in Madison County Illinois

6. The method of payment for performance shall be:
(Specify rate[s])

Hourly basis _____

Lump-Sum (Explain as necessary) _____

Unit basis (Describe unit[s]) Labor Only for the following units: BD, BFC, BM, PM, UFC, XX,
4" duct, including bends and sweeps and manhole, including frame and cover.

NO PAYMENT SHALL BE DUE UNDER THIS AGREEMENT WHILE THE CONTRACTOR IS IN DEFAULT OF ANY PROVISION HEREOF.

7. The maximum amount of this Contract shall be \$ 70,000.00 . Payment shall be due and payable in accordance with the following schedule:
By weekly tab sheets submitted and invoicing prepared for payments due within 30 days of receipt.

A 10% retainage will be held until final inspection and cleanup are satisfactory to the Owner.

Invoices are to be submitted to:

Michael S. Freeman
C/o Communications Engineers, Inc.
3015 Stanton Ave.
Springfield, IL 62703

A DULY EXECUTED FORM 743NRUS, CERTIFICATE OF CONTRACTOR AND INDEMNITY AGREEMENT, SHALL ACCOMPANY THE FINAL INVOICE. (A COPY IS ATTACHED AND TO BE REMOVED FROM CONTRACT AND RETAINED FOR SUBMISSION WITH FINAL INVOICE.)

8. The Contractor shall begin performance of this Contract no later than April 2, 2001 and shall complete performance no later than April 27, 2001 which totals 20 construction days excluding Saturdays, Sundays, holidays and automatic time extensions for bad weather days.
9. A time extension will be granted for delays beyond the control of the contractor. The contractor must request the time extension in writing within two weeks of the event that causes the delay.
10. Liquidated damages in the amount of Five hundred dollars (\$500.00) per day for time extending beyond the completion date, including approved time extensions, will be deducted from any moneys due the contractor for final payment.

SECTION II - GENERAL PROVISIONS

1. **Notification of Injury or Damage:** The Contractor shall promptly notify the Owner of any injury, death, loss or damage to persons, s, or property which is in any way related to the work performed under this Contract, even though such occurrence was not caused or contributed to by the Contractor or the contractor's employees and agents.
2. **Withholding Of Payments:** The Owner may withhold money due for portions of the Project which have been rejected by the Owner and which have not been corrected by the Contractor to the satisfaction of the Owner. The Contractor shall pay each material supplier, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed on account of materials furnished by each material supplier. The Owner may withhold money due for claims, which might be the subject of reimbursement to the Owner by the Contractor. If the Owner is advised that the Contractor is not promptly paying material suppliers as set out above, or if the Owner is advised that employees of the Contractor are not being promptly paid, then the Owner may withhold such money due as the Owner deems sufficient to insure the obligations incurred by the Contractor in connection with the work covered by this Contract will be paid in full.
3. **Changes in Project:** The Owner may make changes in the Project by altering, adding to or deducting from the Project. No change in the Contract price shall be made for minor changes not involving extra cost. All adjustments in the Contract price by reason of any other change shall be agreed to by the parties prior to commencement of the actual work in connection with such change.
4. **Standards of Work:** All work performed under this Contract shall conform to applicable current Rural Utilities Service (hereinafter called "RUS") standards and specifications. (See Attachment B, Attachment F and Specific construction drawings included in Attachment H.)

The Contractor shall furnish and be responsible for all supervision; labor, tools, equipment, power, transportation, material, and supplies required to perform the work, except those items specifically listed which the owner will furnish. The Contractor shall pickup and transport such material and equipment from its place of storage to the job site as needed. The Contractor shall transport and return to a place of storage designated by the Owner unused material and equipment belonging to the Owner.

5. **Provisions of Materials:** In the performance of this Contract there shall be used only such unmanufactured articles, materials and supplies as have been specified by the owner (See Attachment D) or are listed in the current RUS Publication 344-2 List of Materials Acceptable for Use on Telecommunications Systems of RUS Borrowers. The Contractor agrees to submit to the Owner such certificate or certificates, signed by the Contractor with respect to compliance with the foregoing provisions as requested by the owner.

The Contractor shall purchase materials and supplies outright and not subject to any conditional sales agreement, bailment lease, or other agreement reserving to the seller any right, title or interest therein.

All guarantees of materials and workmanship running in favor of the Contractor shall be transferred to the Owner on completion of construction and at such time as the Contractor receives final payment.

The Contractor shall save harmless and indemnify the Owner from any and all claims, suits, and proceedings for the infringement of any patent or patents covering any materials or equipment provided by the Contractor used in construction of the Project.

It shall be the duty of the Contractor to inspect all materials used in the performance of the work, whether or not furnished by the Owner. The Contractor shall not use any defective material in the performance of work.

The Contractor shall reimburse the Owner or shall replace at no cost to the Owner any material or property destroyed, or lost, regardless of cause, in the performance of the Contract.

6. **Laws and Regulations:** The Contractor shall comply with all Federal, State, and Municipal Laws, ordinances and regulations and building and construction codes applicable to the performance of the work and give all notices that may be required. If the Contractor observes that the work to be performed is at variance with any law, ordinance, or regulation or building or construction code, he shall promptly notify the Owner. The Contractor shall follow the instructions of Government officials regarding maintenance of traffic and protection of the public. The Contractor shall obtain a copy of regulations or permit requirements of the appropriate Road authorities and make all employees aware of these regulations.
7. **Environmental Protection:** The Contractor shall perform work in such a manner as to maximize preservation of beauty and conservation of natural resources, and minimize marring and scarring of the landscape and silting of streams. The Contractor shall not deposit trash in streams or waterways, and shall not deposit herbicides or other chemicals or their containers in or near streams, waterways or pastures. The Contractor shall follow, under the general direction of the Owner, the criteria relating to environmental protection as specified herein by the Owner.
8. **Inspection of Work:** The Owner may maintain inspectors at the job site, and to further assure compliance with the plans and specifications and maintain quality of construction, may, after reasonable notice to the Contractor, perform from time to time operational tests on the Project of a portion or portions thereof selected by the Owner. However, such inspectors or other employees or agents of the Owner shall not have authority to direct or advise the Contractor or his employees and agents concerning the method or manner by which the work is to be performed. The Contractor has sole authority, responsibility, and control over the method and manner by which the work is to be performed and shall remain in all respects an independent contractor.
9. **Service Pipes and Underground Structures:** The Contractor at the Contractor's expense shall locate any pipes, conduits or other underground structures or obstructions, including telephone facilities, which are in the way of the construction, whether or not any work plans omit to show or purport to show their locations. All such property damaged in the course of the work shall be repaired by the Contractor in a manner satisfactory to the Owner. The contractor shall utilize the services of the state locator service if it is available.
10. **Duty Of Safe Performance:** The Contractor shall at all times take all reasonable precautions to protect all persons and property, including property of the Owner from injury arising out of the performance of the work. The Contractor shall make such inspections, safety checks, and tests, and shall provide such equipment, personnel, and supervision as is necessary to insure the safe performance of the work.
11. **Defects in Work:** The Contractor shall correct at its expense all defects and deficiencies in the work which result from labor or material furnished by the Contractor, workmanship, or failure to follow plans, drawings, or other specifications made a part of this Contract which are discovered within one (1) year from the date the work is accepted. Acceptance of the work by the Owner shall not constitute a waiver or any such defects or deficiencies. The Owner shall notify the Contractor in writing of any defects and deficiencies and if the Contractor has failed to remedy or make arrangements satisfactory to the Owner to remedy such defects and deficiencies within twenty (20) days thereafter, the Owner may remedy such defects and deficiencies and the Contractor shall pay the Owner the cost of making such corrections.
12. **Completion on Contractor's Default:** If default shall be made by the Contractor in the performance of any of the terms of this Contract, the Owner, without in any manner limiting its legal and equitable remedies in the circumstances, may serve upon the Contractor a written notice requiring the Contractor to cause such default to be corrected forthwith. Unless within twenty (20) days after the service of such notice upon the Contractor such defaults shall be corrected or arrangements for the correction thereof satisfactory to the Owner shall be made by the Contractor, the Owner may take over the construction of the Project and prosecute the same to completion by contract or otherwise for the account and at the expense of the Contractor, and the Contractor

shall be liable to the Owner for any cost or expense in the excess of the Contract price occasioned thereby, In such event the Owner may take possession of and utilize, in completing the construction of the Project, any materials, tools, supplies, equipment, appliances, and plant belonging to the Contractor which may be situated at the site on the Project. The Owner in such contingency may exercise any rights, claims, or demands which the Contractor may have against third persons in connection with this Contract and for such purpose the Contractor does hereby assign, transfer, and set over unto the Owner all such rights, claims, and demands.

13. Indemnification: The Contractor agrees to indemnify and hold harmless the Owner from any and all claims, actions, or causes of action to the extent the claimed loss or damage arises out of the Contractor's negligent performance or nonperformance of work herein contracted to be done whether such claims, actions, or causes of action are alleged to be the results of any act or omission of the Contractor, agents, servants, employees, or any or all of them and regardless of the fact that the work may have been completed and accepted by the Owner and regardless of the fact the Contractor may have received payment for work. The Owner shall promptly notify the Contractor in writing of any such claims, actions, or causes of action and give the Contractor full opportunity and authority to assume the sole defense and settlement thereof. The Owner shall furnish to the Contractor upon request all information available to the Owner for defense against any claim, action, or cause of action. The Contractor's liability under this indemnity shall not exceed the value of the Contract except for those claims involving personal injury or tangible property damage.
14. Miscellaneous: The Contractor has made a careful examination of the site of the Project and conditions, which may affect work under this Contract.

The Contractor will build the outside plant facilities under the Contract on right-of-Way provided by the Owner including, where directed by the Owner, right-of-Way presently occupied by existing facilities of the Owner. The Contractor will use no explosive in the performance of work under this Contract without the prior written approval of the Owner. All permits necessary for the handling or use of dynamite or other explosives in connection with construction of the Project shall be obtained by and at the expense of the Contractor.

Except as otherwise agreed to the by the Owner, all work shall be performed without interruption to or interference with existing telephone service,

The Contractor shall not assign this contract or any part thereof, or enter into any contract with any person, firm or corporation for performance of the Contractor's obligations hereunder, or any part of such obligations.

Note: The penalty for making false statements in offers is prescribed in 10 U.S.C. 1001.

SECTION III - INSURANCE AND BONDS

During the Contractor's performance hereunder, the Contractor shall take out and maintain fully paid insurance and bonds as follows:

INSURANCE REQUIREMENTS

- (a) *Workers' compensation and employer liability insurance, as required by law, covering all their employees whom perform any of the obligations of the contractor under the contract. If any employer or employee is not subject to the workers' compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workers' compensation laws.*
- (b) *Public liability insurance covering all operations under the, contract shall have limits for bodily injury or death of not less than \$1 million each occurrence, limits for property damage of not less than \$1 million each occurrence, and \$1 million aggregate for accidents during the policy period. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.*
- (c) *Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, nonowned, or hired, shall have limits for bodily injury or death of not less than \$1 million per person and \$1 million per occurrence, and property damage limits of \$1 million for each occurrence. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.*
- (d) *Owners and Contractors Protective Liability Insurance.*

The Owner may at any time require public liability insurance and property damage liability insurance greater than the above. In any such event, the additional premium payable solely as the result of such additional insurance shall be added to the contract price.

Where the performance of the work involves "structural property, underground property, or blasting," the Contractor's comprehensive general liability insurance policy shall provide coverage to the insured for legal liability arising from operations under this contract for property damage (1) arising out of blasting, (2) arising out of collapse of or structural injury to any building or structure, or (3) to underground facilities and utilities.

BOND REQUIREMENTS

Construction contracts for facilities in amounts in excess of \$100,000 shall require contractors to secure a contractors' bond in a penal sum of not less than the contract price, which is the sum of all labor and materials including owner-furnished materials installed for the project. On line extension contracts under which work will be done in sections and no section will exceed a total cost of \$ 100,000, the borrower may waive the requirement for a contractors' bond.

ACORD. CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)

02/19/01

PRODUCER
 Naught-Naught / Jefferson City
 1441 Christy Drive
 P O Box 1768
 Jefferson City MO 65102

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION
 ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE
 HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR
 ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY
 A Commercial Union Insurance Co.
 COMPANY
 B American Employers' Insurance
 COMPANY
 C
 COMPANY
 D

PHONE NO 573-634-2727 FAX NO 573-634-7762
 INSURED

Utility Contracting Co.
 5000 Business Hwy 50 W.
 Jefferson City MO 65109

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD
 INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS
 CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS,
 EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY	CTE514494	04/01/00	04/01/01	GENERAL AGGREGATE \$2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS - COMPROP AGG \$2,000,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				PERSONAL & ADV INJURY \$1,000,000
	<input type="checkbox"/> OWNERS & CONTRACTORS PROT				EACH OCCURRENCE \$1,000,000
					FIRE DAMAGE (Any one fire) \$100,000
A	ALTONDERE LIABILITY	OTAS45640	04/01/00	04/01/01	MED EXP (Any one person) \$5,000
	<input checked="" type="checkbox"/> ANY AUTO				COMBINED SINGLE LIMIT \$1,000,000
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per person)
	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident)
	<input checked="" type="checkbox"/> MIXED AUTOS				PROPERTY DAMAGE
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$
	<input type="checkbox"/> ANY AUTO				OTHER THAN AUTO ONLY:
					EACH ACCIDENT \$
					AGGREGATE \$
					EACH OCCURRENCE \$2,000,000
A	EXCESS LIABILITY	CUE0091372	04/01/00	04/01/01	AGGREGATE \$2,000,000
	<input checked="" type="checkbox"/> UMBRELLA FORM				
	<input type="checkbox"/> OTHER THAN UMBRELLA FORM				
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	ATE207067	04/01/00	04/01/01	EL EACH ACCIDENT \$500,000
	<input type="checkbox"/> THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE				EL DISEASE - POLICY LIMIT \$500,000
	<input type="checkbox"/> INCL				EL DISEASE - EA EMPLOYEE \$500,000
	<input type="checkbox"/> EXCL				
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

ALHAMBRA

Alhambra-Grand Park Telephone

Alhambra IL 62001

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE
 EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL
 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT.
 BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY
 OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Thomas A. Naught

ACORD 25-S (1/95)

ACORD CORPORATION 1986

I have read, understand, and agree to all portions of this Contact.

Utility Contracting Company

(Contractor)

By

Harry L Garrison

(Harry Garrison)

Title

President

Date

2/19/01

Alhambra-Grantfork Telephone Company

(Owner)

By

Alvin Wilkenning

Title

General Manager

Date

2/28/01

LIST OF ATTACHMENTS

- A. Project Description**
- B. Contract Specifications**
- C. Owner Furnished Materials**
- D. Owner Specified Materials to be Furnished by the Contractor**
- E. Summary of Construction Units**
- F. Bidder Instruction Modifications**
- G. Special Rearrangement Units**
- H. Special Assembly Unit Drawings and Guide Drawings**
- I. List of Owner's Material on Hand (including quantities and pricing)**
- J. Schedule of Acceptance Tests and Measurements**
- K. Construction Drawings**

ATTACHMENT A**PROJECT DESCRIPTION**

This construction project consists of the following outside plant activity:

Construction of various buried copper paired cables, manhole and conduit placement, and a 1½" innerduct by the directional boring and/or plowing method. Six separate 4" ducts are to be placed at the Central Office by core drilling for placement of the innerduct and copper cable.

All boring depths will conform to the placement depth of 36" plus 12" for all road surfaces, driveways, creeks, etc.

The section of 4" duct to be placed is to appear in the bottom of all pedestals and sealed.

The Owner will be responsible for all of the pedestal stenciling, splicing and testing of the buried cables, either by their own forces or under separate contract. Any sheath faults or deficiencies in material or workmanship found during the splicing operation will be the responsibility of the Contractor that provided construction under this contract to remedy.

The Owner and/or his representative shall inspect and/or observe the following:

- 1) Trenches before back filling.
- 2) All cable damage before repair.

Any cable damaged by the Contractor shall be replaced, at his expense, within 5 working days unless the Owner approves additional delay.

All Public and Private Right-of-Ways are to be considered "Reduced and Restricted Construction Corridor". Cables placed on State Right-of-Way are required to be within eight (8) feet of the Right-of-Way line and in accordance with the appropriate State Highway Permits.

The Owner has obtained State Highway permits. Construction must conform to any of the easement requirements mentioned.

Foreign utilities, such as water, gas, electric, sewer, and telephone cables are not shown on all construction sheets and will be the responsibility of the Contractor to arrange to have located.

ATTACHMENT B**CONTRACT SPECIFICATIONS**

The construction to be performed under this contract is not to be financed with RUS funds.

The unit descriptions and construction procedures are to conform to RUS specifications and standards for the convenience of the owner.

The following RUS specifications and drawings will become a part of this contract by reference:

☒ RUS Form 515a - Specifications and Drawings for Construction of Direct Buried Plant. (RUS Bulletin 345-150)

Dated: 5-89

☒ RUS Form 515c - Specifications and Drawings for Conduit and Manhole Construction. (RUS Bulletin 345-151)

Dated: 5-89

☒ RUS Form 515d - Specifications and Drawings for Underground Cable Installation. (RUS Bulletin 345-152)

Dated: 5-89

☐ RUS Form 515f - Specifications and Drawings for Construction of Pole Line and Aerial Cables. (RUS Bulletin 345-153)

Dated: _____

☐ RUS Form 515g - Specifications and Drawings for Service Entrance and Station Protector Installations. (RUS Bulletin 345-154)

Dated: _____

The following RUS Standards are applicable: (Engineer to insert date)

PC - 2 Dated: 2-95

PC - 4 Dated: _____

PC - 5a Dated: _____

ATTACHMENT C

OWNER FURNISHED MATERIALS

The owner will furnish all of the following items:

- 1) Copper Cable
- 2) Pedestals (including stakes and pole mount kits)
- 3) Ground Rods (including rod clamps (BM2) and split bolt connectors (BM2A))
- 4) Ground Wire Connectors (pedestal mount ALP 387)
- 5) Ground Wire (bare and insulated)
- 6) 1 1/2" Innerduct with pull ropes
- 7) Innerduct couplers
- 8) 4" Duct with sweeps and bends
- 9) Type J Manhole, including frame and cover

The owner will furnish a list of local contractors or suppliers of the following:

- 1) Asphalt
- 2) Gravel
- 3) Water
- 4) Contacts for disposal of dirt and rock

ATTACHMENT D

CONTRACTOR FURNISHED MATERIAL
(NOT APPLICABLE FOR THIS CONTRACT)

DISK: MSFZHARD

FILE: AttachmentE

DATE: 01/18/01

ALHAMBRA-GRANTFORK TELEPHONE COMPANY ATTACHMENT E
SOUTH RURAL CONSTRUCTION
OSP CONTRACT NUMBER : 2003-01-G

20

[illegible]

ATTACHMENT F

Page 1 of 1

BIDDER INSTRUCTION MODIFICATIONS

The following changes are applicable to the standard Form 515A:

On Page 4, change the BFC unit descriptions as follows:

Consists of one (1) foot of buried cable in place

On Page 6 and 8, add the following to the BFC description, Paragraph A (3):

Note 3: Wire fences shall be repaired by means of suitable compression sleeves.

Note 4: Mailboxes and road signs shall be removed and reset to maintain continuous straight line plowing.

On Page 10, change the following BM description:

BM2 (5/8)(8) - Consists of the necessary labor and material for the installation of a 5/8" X 8' ground rod, ground rod clamp, and the required length of a bare #6 AWG copper ground wire (placed at a depth of 12 inches) and connected to an auxiliary grounding connector, (ALP387), within the housing.

On Page 11, change the following BM descriptions:

BM2A - Consists of the necessary labor and material for the installation of the required length of a bare #6 AWG copper ground wire attached from the grounding connector of a buried plant housing to a vertical pole ground located on a power pole no more than 6 feet from the buried plant housing. This unit also includes the connection of the ground wire within the buried plant housing to the grounding connector and the connection of the ground wire to the vertical pole ground with a grounding connector, compression type. Where the housing is not attached to the power pole, the ground wire shall be buried to a depth of 12 inches.

On Page 12, add the following to the BM61 description:

The depth of the hole below the surface of the ground shall be limited to a depth of eight (8) feet or less, except where shown otherwise on the construction drawings.

On Page 12, add the following to the BM62 description:

BM62 - Underground Non-Pipe Crossing Assembly Unit - Consists of the labor to provide a hole in soil one (1) foot in length by the directional bore method only, not to exceed 3 inches in diameter, for accommodating cables therein. Contractor to be compensated for cable(s) under their appropriate assembly unit designations.

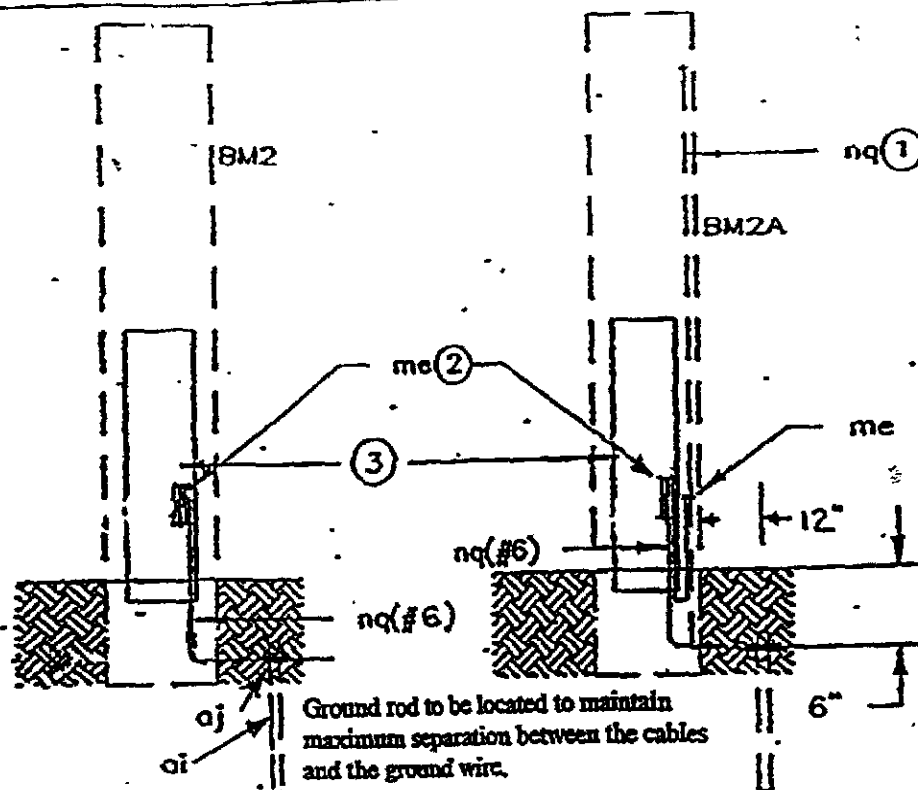
ATTACHMENT G

(NOT APPLICABLE FOR THIS CONTRACT)

ATTACHMENT H**LIST OF SPECIAL ASSEMBLY UNIT DRAWINGS
AND SPECIAL GUIDE DRAWINGS**

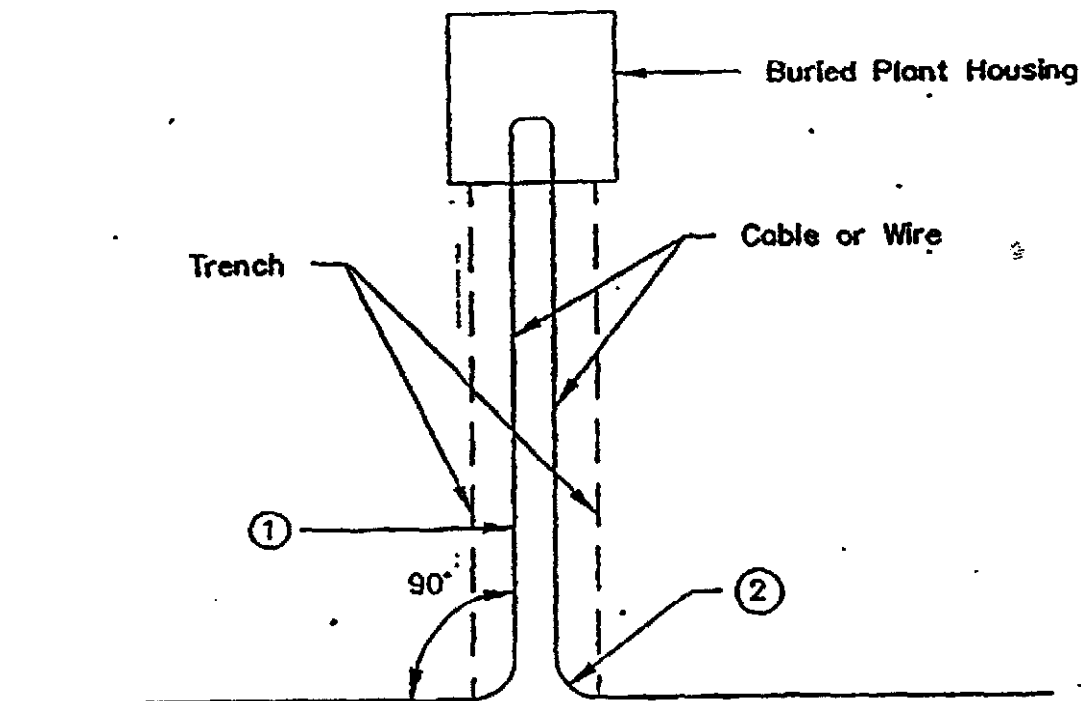
(NOTE: Engineer will indicate by listing below the special assembly unit drawings and special guide drawings which have been prepared. These drawings are considered to be a part of this Contract.)

<u>Drawing</u>	<u>Page</u>
BM2-BM2A	H1
902-A	H2
910	H3
975	H4
976	H5
991	H6

**Notes:**

- ① A bare #6 AWG ground wire shall be connected to vertical pole ground wire of multigrounded power system neutral or pole ground assembly (PM2). If a multigrounded power system neutral is present on the pole but there is no vertical pole ground wire, sufficient length of #6 AWG copper ground wire shall be left coiled and taped to permit it to be extended up the pole and connected to the multigrounded neutral by a representative of the power company.
- ② The use of an auxiliary grounding connector, when required, shall be field installed within the housing in accordance with the housing manufacturer's instructions.
- ③ The bonding bracket shall be installed in accordance with the housing manufacturer's instructions.

ITEM	MATERIAL	REQ'D	ITEM	MATERIAL	REQ'D
nq	Wire, ground, bare #6 AWG	as req'd	nq	Wire, ground, bare #6 AWG	as req'd
	tinned copper				
oi	Rod, ground (size & length as req'd)	1			
me	Connector, ground	2			
aj	Clomp, ground rod	1			
RURAL TELEPHONE CONSTRUCTION PRACTICES					
GROUND WIRE ASSEMBLY, BURIED PLANT					
Scale: NTS			January 1988		
			BM2 - BM2A		



Notes:

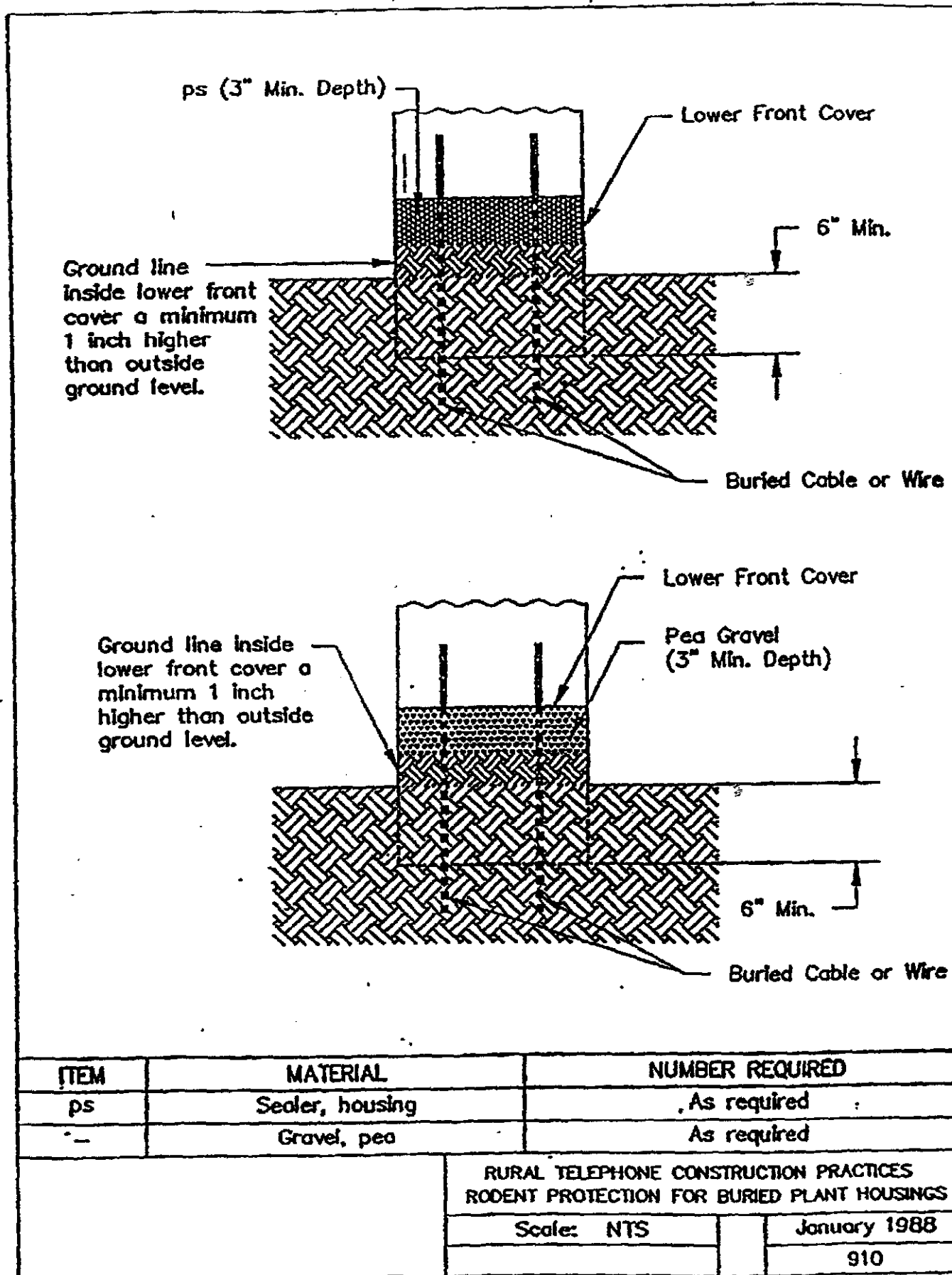
- ① The in and out laterals to the buried plant housings shall be located in the same trench.
- ② The radius of bend of the cable or wire shall not be less than 10 times the diameter of the cable or wire.

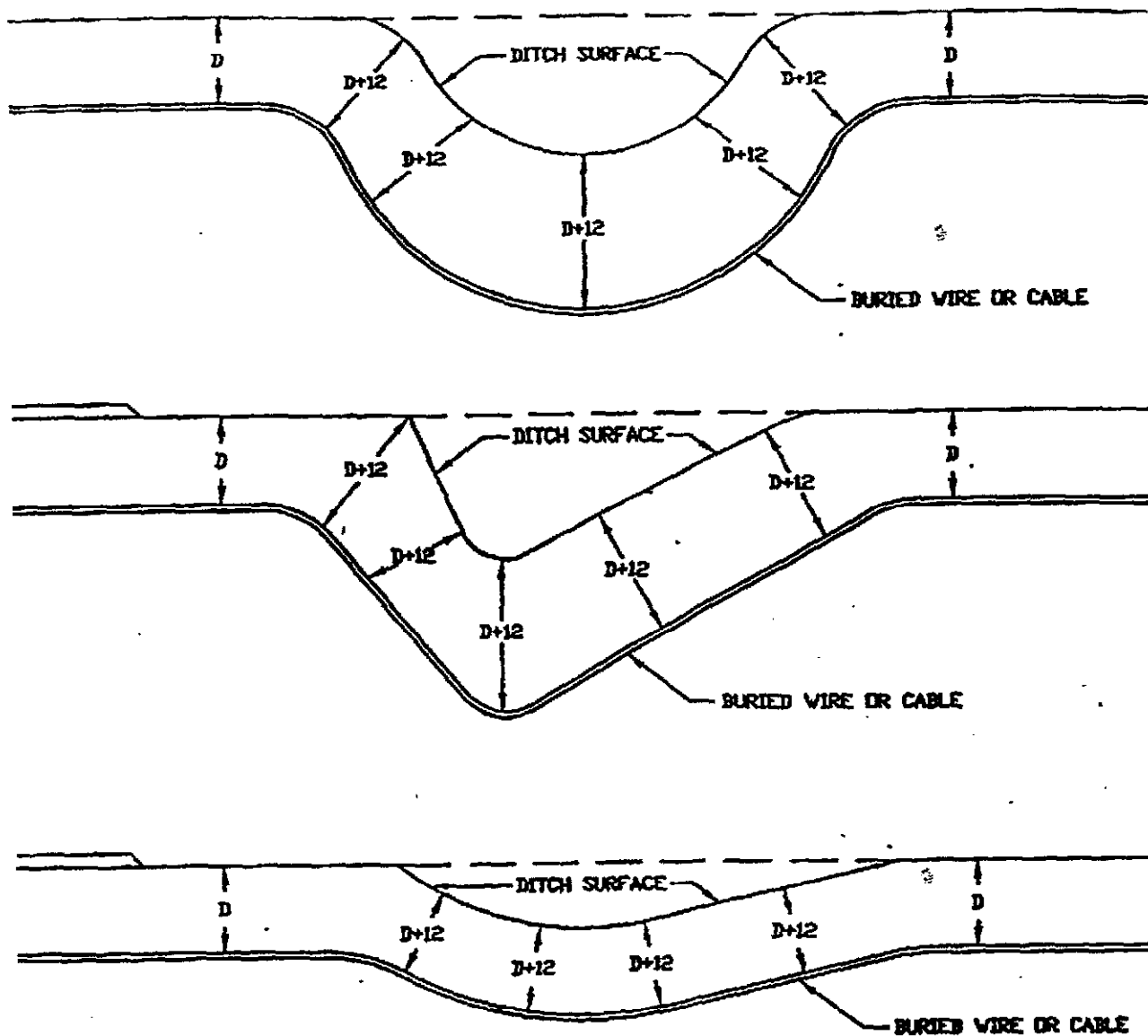
RURAL TELEPHONE CONSTRUCTION PRACTICES
LATERAL RUNS TO BURIED PLANT HOUSINGS

Scale: NTS

September 1982

902-A





Note: Buried wire and/or cable shall be placed as shown above.

D = Specified cable depth for any cable per contract.

D+12 = Depth required to cross ditches for any cable per contract.

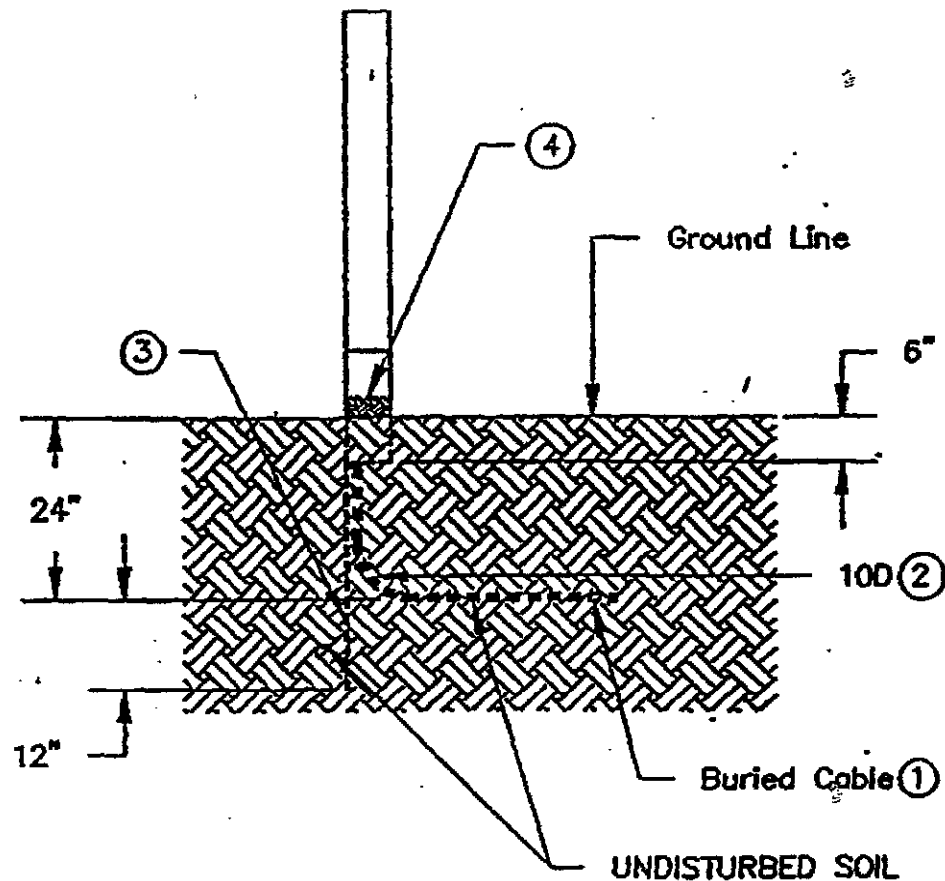
RURAL TELEPHONE CONSTRUCTION PRACTICES
BURIED PLANT UNDER DITCHES

SCALE: NTS

DISK FILE: RED800KHWYCROSL DICHROS

JANUARY 1985

975

Notes:

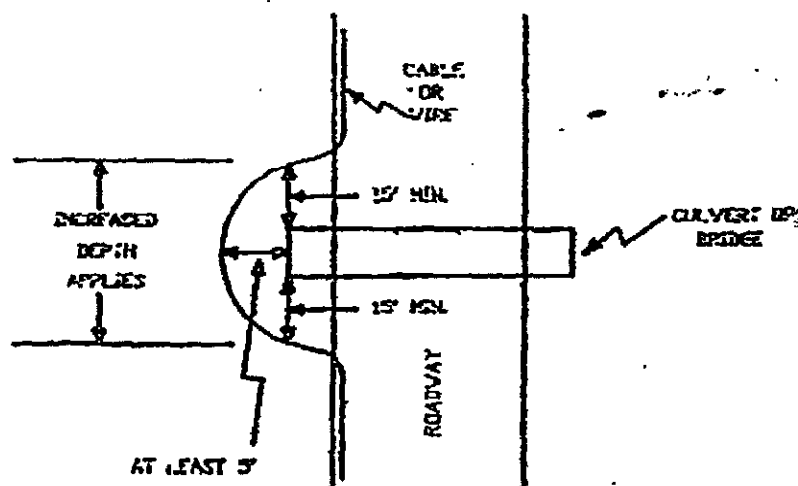
- ①. Place cable on undisturbed soil at bottom of trench.
- ②. The radius of bend of the cable at the base of the housing should not be less than 10 times the diameter of the cable and wire.
- ③. The stake of the housing shall be driven into undisturbed soil to a depth of approximately 12 inches.
- ④. The ground level inside the ground line cover plate should not be less than 1-inch above the outside ground level.

RURAL TELEPHONE CONSTRUCTION PRACTICES
HOUSING INSTALLATION DETAILS

Scale: NTS

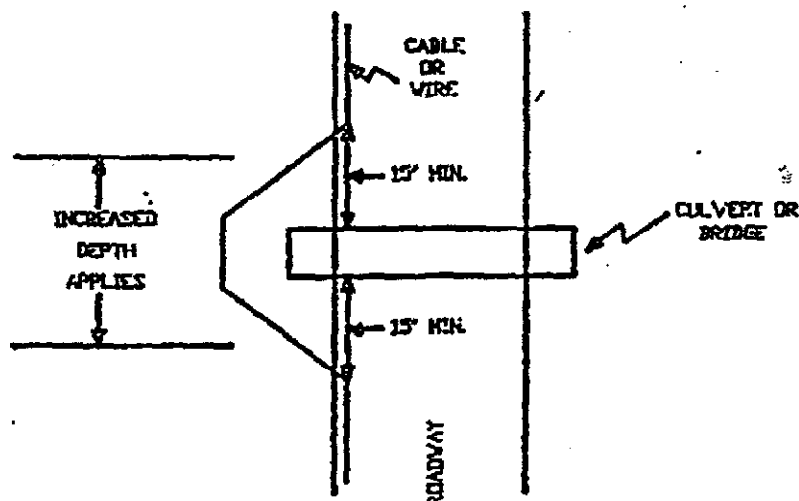
January 1988

976



Method #1: FIRST CHOICE TO BE USED WHEN OBSTRUCTIONS AND TERRAIN CONDITIONS PERMIT.

*If terrain conditions are suitable, the cable or wire may be plowed around the culvert to a minimum depth of . If plowing to a depth of is not practicable, the cable or wire shall be trenched in place to a minimum depth of



Method #2: SECOND CHOICE TO BE USED WHEN METHOD #1 IS NOT FEASIBLE.

*The cable or wire located within 15 feet of the culvert shall be placed to a minimum depth of . There is no requirement for separation between the cable or wire and the end of the culvert or bridge.

This drawing is intended to show the method of placing plant around bridges or culverts.

RURAL TELEPHONE CONSTRUCTION PRACTICES
ROUTING BURIED PLANT AROUND CULVERTS

SCALE: NTS

May 11, 1988

991

ATTACHMENT J**SCHEDULE OF ACCEPTANCE TESTS AND MEASUREMENTS**

Description of Test or Measurement	Test or Measurement			Participants		
	Subscriber Loop Plant		Trunk Plant	Owner	Engineer	Contractor
	Dist. Pairs	Feeder Pairs and Fibers				
Shield Continuity	X	X	X	P		
Conductor Continuity	X*	X	X	P		
Conductor Insulation Resistance	X*	X	X	P		
DC Loop Resistance						
DC Loop Resistance Unbalance						
VF Insertion Loss						
Line Noise						
Loop Measurements (Loop Checking)						
Two-Man Structural Return Loss			NA			
One-Man Open Circuit Measurements						
Loop and Station Tests			NA			
Paystation Line Tests			NA			
Cable Insertion Loss at Carrier Frequencies						
Shield Ground for Single Jacketed Cables	X	X	X	P		
Fiber-OTDR Test		X				
C. O. Ground Measurement				P		

Engineer to check ☒ optional tests to be made.

X - These are standard tests and measurements required on facilities as designated by the Engineer, constructed or installed under this contract.

NA - Not Applicable

* - These test will not be required on distribution pairs not cross-connected to feeder pairs at time of acceptance testing.

P - Indicates participation in conducting acceptance tests and measurements.



HARTFORD CONCRETE PRODUCTS, INC.
 "AN EMPLOYEE OWNED CORPORATION"

1400 NORTH WABASH AVENUE • P.O. BOX 660
 HARTFORD CITY, INDIANA 47348
 PHONE: 765 348-3506 FAX: 765-348-3121

SCHED. SHIP DATE WEEK OF PAGE NO. SALES ORDER NO. CANCELLATION DATE CUST. NO.

1

53142 5/6/01

ALH01

SALES ORDER

S
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O
Alhambra-Grantfork Telephone
 114 Wall Street
 PO Box 207
 Alhambra, IL 62001
 AL WILKEMING 618-488-2165

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O
Alhambra-Grantfork Telephone
 Alhambra, IL 62001
 FAX 618-488-2121

ORDER DATE PURCHASE ORDER NO. SHIP VIA F.O.B. TERMS

02/05/2001 20501A

Our Truck

Pending Credit

BUYER DATE REQUESTED LOCATION SALESPERSON TERRITORY

03/30/2001 WHSE

Phil Hall

Illinois

ITEM NO. BIN LOCATION NO.	DESCRIPTION	QUANTITY ORDERED	QUANTITY BACK ORD.	QUANTITY SHIPPED	UNIT PRICE	EXTENSION	TAX
CA-MH-10-092-T	M/H 8X4X6 J w/ 32 TERM	1			1,562.00	1,562.00	
HP-MH-20-541	HARDWARE PKG FOR 8X4X6 J	1			185.00	185.00	
F4196E	FRAME & COVER, TELEPHONE, 30", W/ PENT HEAD SECURITY BOLTS #1825	1			475.00	475.00	
TO-MH-26-101	HOOK & WRENCH ASSEMBLY	1			48.50	48.50	
PFC	FREIGHT CHARGE	1			1,200.00	1,200.00	

THIS IS NOT A BILL
 DO NOT PAY

FROM : UTILITY CONTRACTING CO

FAX NO. : 5736367540

APR 11 2001 03:00PM 62

SUBTOTAL

3,470.50

SALES ORDER NO.
 53142

3,470.50

TOTAL ORDER
 VALUE

ORIGINAL

04/17/01 15:46 FAX 6184882123

Alhambra Tel.Co. --- Gary Smith

31

FROM : UTILITY CONTRACTING CO

FAX NO. : 5736367540

Apr. 11 2001 02:09PM P2



UTILITY CONTRACTING COMPANY

5000 Bus Hwy 50 West
Jefferson City, Missouri 65109-0315
(573) 636-8088

RID QUOTE

Alhambra Grantfork Telephone Co.

Job Location:
Grantfork, IL

Job Description:
Splice Cable

HC-1	5100@	\$ 2.00	\$10,200.00
PM-21	1@	\$900.00	\$ 900.00
			<u>\$11,100.00</u>

Sign below if quote accepted and return original.

Harry Garrison
Harry Garrison

Alvin Wilkening
Accepted By

I think there may be fewer than 5100 *al*

4-12-01